

Table 275. Energy Consumption Estimates by Source, Selected Years 1960-1999, Texas

Year	Coal ^a Thousand Short Tons	Natural Gas ^b Billion Cubic Feet	Petroleum											Nuclear Electric Power	Hydro-electric Power ^d	Wood and Waste	Other ^{a,e}	Net Inter-state Flow of Electricity/Losses ^f	Total ^g
			Asphalt & Road Oil ^a	Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	Kero-sene ^a	LPG ^a	Lubri-cants ^a	Motor Gasoline	Residual Fuel ^a	Other ^{a,c}	Total						
			Thousand Barrels															Million kWh	
1960	1,067	2,720	6,284	3,261	24,400	10,842	3,391	73,297	3,493	91,841	22,584	R 55,967	R 295,360	0	927	—	—	-1,996	—
1965	1,146	3,068	7,811	3,457	24,854	15,365	3,459	109,109	3,788	107,851	14,322	R 80,537	R 370,553	0	661	—	—	-2,853	—
1970	1,154	4,093	11,885	2,007	32,410	24,430	7,500	151,223	4,204	141,393	14,146	R 100,279	R 489,477	0	883	—	—	-4,903	—
1975	12,765	3,944	8,150	1,312	54,706	27,308	7,196	157,246	4,321	175,538	38,536	R 124,910	R 599,224	0	1,584	—	—	-5,489	—
1980	48,602	4,091	10,906	1,264	72,513	30,934	15,355	189,802	5,340	180,997	65,070	R 218,266	R 790,447	0	398	—	—	-20,069	—
1985	77,017	3,386	11,808	1,317	94,121	74,500	776	256,932	4,859	205,419	28,713	R 141,141	R 819,586	0	1,397	—	—	30,397	—
1990	91,415	3,602	14,013	838	82,338	95,903	200	293,043	5,468	205,402	27,843	R 177,136	R 902,184	15,859	R ^h 1,794	—	—	R 20,914	—
1991	92,064	3,560	9,371	655	84,708	90,674	93	320,936	4,891	198,780	28,600	R 176,427	R 915,137	19,800	R 2,225	—	—	R 17,969	—
1992	91,568	3,476	11,800	783	90,279	90,029	173	333,233	4,987	200,686	30,937	R 190,910	R 953,817	24,496	R 3,325	—	—	R 5,201	—
1993	96,809	3,741	12,734	693	91,759	86,961	152	322,305	5,078	207,441	22,859	R 187,535	R 937,518	12,407	R 1,786	—	—	R 18,124	—
1994	93,829	3,666	10,947	773	89,545	83,397	148	358,599	5,308	218,772	21,946	R 196,579	R 986,013	28,745	R 1,530	—	—	R 7,838	—
1995	92,612	3,802	11,794	645	82,610	83,002	196	370,395	5,216	213,428	22,894	R 188,355	R 978,535	36,151	R 1,703	—	—	R 1,804	—
1996	98,997	3,991	11,962	625	92,763	99,870	237	R 395,062	5,062	226,381	20,630	R 216,465	R 1,069,057	35,767	R 960	—	—	R 23,472	—
1997	101,296	3,951	10,509	R 658	86,741	105,610	364	R 449,056	5,348	224,997	22,550	R 229,580	R 1,135,414	37,358	R 2,711	—	—	R 25,705	—
1998	99,430	4,031	11,201	555	92,963	108,536	430	447,111	5,599	236,779	27,121	220,387	1,150,682	38,685	1,911	—	—	20,258	—
1999	102,476	3,859	8,438	796	106,313	104,896	222	445,191	5,657	242,992	21,747	221,517	1,157,769	36,760	1,249	—	—	-13,516	—

Trillion Btu																			
1960	25.0	2,815.5	41.7	16.5	142.1	58.6	19.2	294.0	21.2	482.4	142.0	R 334.3	R 1,552.0	0.0	10.0	38.3	0.0	-6.8	R 4,433.9
1965	29.2	3,181.5	51.8	17.5	144.8	84.3	19.6	437.6	23.0	566.5	90.0	R 473.8	R 1,909.0	0.0	6.9	41.2	0.0	-9.7	R 5,158.0
1970	30.8	4,203.9	78.9	10.1	188.8	135.9	42.5	571.5	25.5	742.7	88.9	R 584.2	R 2,469.1	0.0	9.3	52.2	0.0	16.7	R 6,781.9
1975	196.2	4,046.9	54.1	6.6	318.7	152.7	40.8	584.2	26.2	922.1	242.3	R 726.8	R 3,074.4	0.0	16.5	55.8	0.0	-18.7	R 7,371.1
1980	734.1	4,226.1	72.4	6.4	422.4	173.3	87.1	697.3	32.4	950.8	409.1	R 1,241.1	R 4,092.2	0.0	4.1	R 83.5	0.0	-68.5	R 9,071.6
1985	1,149.0	3,514.4	78.4	6.6	548.3	420.5	4.4	925.7	29.5	1,079.1	180.5	R 808.2	R 4,081.1	0.0	14.6	R 76.2	0.0	103.7	R 8,939.0
1990	1,333.9	3,745.9	93.0	4.2	479.6	542.1	1.1	1,062.3	33.2	1,079.0	175.1	R 1,007.3	R 4,476.9	169.4	R ^h 18.7	R 85.4	R ^h 0.6	R 71.4	R ^h 9,901.6
1991	1,333.1	3,691.8	62.2	3.3	493.4	512.8	0.5	1,159.9	29.7	1,044.2	179.8	R 1,001.7	R 4,487.5	212.7	23.2	R 88.0	R 0.7	R 61.3	R 9,893.6
1992	1,324.2	3,625.8	78.3	4.0	525.9	509.1	1.0	1,207.6	30.2	1,054.2	194.5	R 1,077.3	R 4,682.1	261.6	R 34.4	R 96.4	0.7	R 17.7	R 10,025.9
1993	1,413.2	3,846.0	84.5	3.5	534.5	492.0	0.9	1,162.2	30.8	1,089.7	143.7	R 1,060.2	R 4,602.1	132.5	18.4	R 95.5	R 0.8	R 61.8	R 10,162.2
1994	1,382.8	3,802.0	72.6	3.9	521.6	472.5	0.8	1,303.5	32.2	R 1,144.2	138.0	R 1,110.1	R 4,799.4	306.9	15.8	R 96.1	0.8	R 26.7	R 10,420.5
1995	1,361.7	3,943.2	78.3	3.3	481.2	470.5	1.1	1,341.9	31.6	R 1,113.0	143.9	R 1,063.2	R 4,728.1	385.3	17.6	R 89.5	R 0.9	R 6.2	R 10,522.8
1996	1,475.4	4,123.0	79.4	3.2	540.3	566.2	1.3	R 1,427.4	30.7	R 1,180.8	129.7	R 1,215.7	R 5,174.7	379.9	9.9	R 108.4	R 1.4	R 80.1	R 11,342.3
1997	1,507.1	4,061.2	69.7	3.3	505.3	598.8	2.1	R 1,623.8	32.4	R 1,172.9	141.8	R 1,292.3	R 5,442.4	396.9	R 28.1	R 108.5	1.8	R 87.7	R 11,624.2
1998	1,489.7	4,196.2	74.3	2.8	541.5	615.4	2.4	1,615.9	34.0	1,234.1	170.5	1,240.5	5,531.4	411.0	19.8	82.4	1.9	69.1	11,793.4
1999	1,534.7	3,982.4	56.0	4.0	619.3	594.8	1.3	1,609.8	34.3	1,266.2	136.7	1,242.9	5,565.3	390.5	12.9	67.8	4.5	-46.1	11,501.0

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c "Other" is the subtotal of 16 petroleum products consumed in the industrial sector. See a full description in Appendix A, Section 4, "Other Petroleum Products."

^d If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

^e "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

^f Net interstate flow of electricity is the difference between the amount of energy in the electricity sold within a State (including associated losses) and the energy input at the electric utilities within the State. A positive number

indicates that more electricity (including associated losses) came into the State than went out of the State during the year; conversely, a negative number indicates that more electricity (including associated losses) went out of the State than came into the State.

^g From 1989, "Total" does not equal the sum of the columns. Net imports of electricity generated from nonrenewable energy sources (shown in appendix Table A8) is included in the total but not in any other columns.

^h There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

kWh=kilowatthours. R=Revised data. — =Not applicable.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 276. Residential Energy Consumption Estimates, Selected Years 1960-1999, Texas

Year	Coal ^a Thousand Short Tons	Natural Gas ^b Billion Cubic Feet	Petroleum				Wood Thousand Cords	Geothermal	Solar ^c	Electricity ^a Million Kilowatthours	Net Energy	Electrical System Energy Losses ^d Million Kilowatthours	Total
			Distillate Fuel ^a	Kerosene ^a	LPG ^a	Total							
			Thousand Barrels										
1960	6	172	96	6	10,083	10,185	705	—	—	11,316	—	28,146	—
1965	2	183	71	7	13,052	13,131	469	—	—	18,745	—	44,755	—
1970	1	232	134	33	15,397	15,565	322	—	—	32,591	—	78,980	—
1975	0	232	270	39	11,419	11,728	378	—	—	40,892	—	98,636	—
1980	(s)	225	8	198	6,131	6,337	R 2,008	—	—	57,178	—	139,037	—
1985	2	213	39	112	7,262	7,414	1,188	—	—	71,740	—	168,547	—
1990	4	211	3	26	6,133	6,162	746	—	—	82,548	—	R 180,581	—
1991	4	222	3	34	4,040	4,078	786	—	—	84,088	—	R 182,802	—
1992	4	215	2	23	3,448	3,473	827	—	—	81,934	—	R 174,745	—
1993	2	232	3	30	3,674	3,707	725	—	—	87,686	—	R 185,205	—
1994	(s)	213	6	20	3,627	3,653	711	—	—	89,793	—	R 187,390	—
1995	0	206	5	22	3,319	3,346	789	—	—	92,831	—	R 193,547	—
1996	0	229	(s)	38	2,312	2,351	787	—	—	99,656	—	R 207,684	—
1997	(s)	235	(s)	45	R 3,503	R 3,548	R 543	—	—	101,094	—	R 210,286	—
1998	5	199	(s)	31	4,552	4,583	479	—	—	110,434	—	228,134	—
1999	3	176	2	31	9,091	9,125	513	—	—	108,591	—	212,764	—

Trillion Btu													
1960	0.1	177.7	0.6	(s)	40.4	41.0	14.1	0.0	0.0	38.6	271.5	96.0	367.6
1965	(s)	189.3	0.4	(s)	52.4	52.8	9.4	0.0	0.0	64.0	315.5	152.7	468.2
1970	(s)	238.5	0.8	0.2	58.2	59.2	6.4	0.0	0.0	111.2	415.3	269.5	684.7
1975	0.0	239.2	1.6	0.2	42.4	44.2	7.6	0.0	0.0	139.5	430.5	336.5	767.1
1980	(s)	231.7	(s)	1.1	22.5	23.7	R 40.2	0.0	0.0	195.1	R 490.7	474.4	R 965.1
1985	0.1	221.0	0.2	0.6	26.2	27.0	23.8	0.0	0.0	244.8	516.6	575.1	1,091.7
1990	0.1	219.5	(s)	0.1	22.2	22.4	14.9	e 0.2	R e 0.4	281.7	e 539.1	R 616.1	R e 1,155.3
1991	0.1	231.0	(s)	0.2	14.6	14.8	15.7	0.2	0.4	286.9	R 549.2	R 623.7	R 1,172.9
1992	0.1	225.3	(s)	0.1	12.5	12.6	16.5	0.2	0.4	279.6	R 534.8	R 596.2	R 1,131.0
1993	(s)	238.5	(s)	0.2	13.2	13.4	14.5	0.2	0.4	299.2	566.3	R 631.9	R 1,198.2
1994	(s)	222.5	(s)	0.1	13.2	13.3	14.2	0.2	R 0.5	306.4	557.1	R 639.4	R 1,196.5
1995	0.0	215.2	(s)	0.1	12.0	12.2	15.8	0.2	R 0.5	316.7	R 560.6	R 660.4	R 1,221.0
1996	0.0	237.7	(s)	0.2	8.4	8.6	15.7	0.3	0.5	340.0	602.8	R 708.6	R 1,311.4
1997	(s)	242.0	(s)	0.3	R 12.7	R 12.9	R 10.9	0.3	0.5	344.9	R 611.5	R 717.5	R 1,329.0
1998	0.1	209.1	(s)	0.2	16.5	16.6	9.6	0.3	0.6	376.8	613.1	778.4	1,391.5
1999	0.1	182.4	(s)	0.2	32.9	33.1	10.3	0.3	0.6	370.5	597.3	726.0	1,323.3

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Includes small amounts of solar thermal and photovoltaic energy consumed by the commercial sector that cannot be separately identified. See Appendix A, Section 5, for explanation of estimation methodology.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

renewable energy sources beginning in 1989.

R=Revised data.

— =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 277. Commercial Energy Consumption Estimates, Selected Years 1960-1999, Texas

Year	Coal ^a	Natural Gas ^b	Petroleum						Wood	Geothermal	Electricity ^a	Net Energy	Electrical System Energy Losses ^c	Total ^d
			Distillate Fuel ^a	Kerosene ^a	LPG ^a	Motor Gasoline	Residual Fuel ^a	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels						Thousand Cords	Million Kilowatthours	Million Kilowatthours			
1960	11	60	595	656	1,779	663	191	3,884	13	—	9,801	—	24,378	—
1965	4	81	440	788	2,303	711	64	4,307	9	—	14,804	—	35,346	—
1970	1	146	830	3,603	2,717	692	78	7,920	6	—	22,869	—	55,420	—
1975	0	117	1,669	4,192	2,015	677	677	9,240	7	—	33,884	—	81,733	—
1980	1	169	2,842	3,251	1,082	3,299	2,569	13,043	48	—	44,062	—	107,144	—
1985	5	152	9,582	250	1,282	1,954	252	13,320	R 32	—	60,150	—	141,317	—
1990	7	172	3,274	25	1,082	2,294	72	6,746	R 47	—	70,781	—	R 154,840	—
1991	7	181	2,950	12	713	1,623	217	5,516	R 50	—	72,141	—	R 156,830	—
1992	6	185	3,104	68	609	1,446	16	5,242	R 54	—	72,076	—	R 153,722	—
1993	4	176	2,343	25	648	159	0	3,174	58	—	75,466	—	R 159,395	—
1994	(s)	180	2,524	29	640	160	1	3,355	60	—	78,058	—	R 162,900	—
1995	0	210	2,207	46	586	164	(s)	3,003	60	—	80,354	—	R 167,534	—
1996	0	179	2,352	38	408	163	0	2,961	65	—	83,477	—	R 173,968	—
1997	(s)	216	1,720	38	R 618	163	0	R 2,539	R 60	—	85,162	—	R 177,146	—
1998	9	170	2,110	52	803	163	0	3,129	60	—	91,548	—	189,120	—
1999	5	172	2,803	57	1,604	165	0	4,629	72	—	93,492	—	183,180	—

Trillion Btu														
1960	0.2	61.8	3.5	3.7	7.1	3.5	1.2	19.0	0.3	0.0	33.4	114.7	83.2	197.9
1965	0.1	83.6	2.6	4.5	9.2	3.7	0.4	20.4	0.2	0.0	50.5	154.8	120.6	275.4
1970	(s)	150.0	4.8	20.4	10.3	3.6	0.5	39.7	0.1	0.0	78.0	267.9	189.1	456.9
1975	0.0	120.2	9.7	23.8	7.5	3.6	4.3	48.8	0.1	0.0	115.6	284.8	278.9	563.7
1980	(s)	173.7	16.6	18.4	4.0	17.3	16.2	72.4	1.0	0.0	150.3	397.5	365.6	763.0
1985	0.1	157.7	55.8	1.4	4.6	10.3	1.6	73.7	R 0.6	0.0	205.2	R 437.4	482.2	R 919.6
1990	0.2	179.6	19.1	0.1	3.9	12.0	0.5	35.6	R 0.9	e (s)	241.5	R e 457.9	R 528.3	R e 986.2
1991	0.2	188.2	17.2	0.1	2.6	8.5	1.4	29.7	R 1.0	0.1	246.1	R 465.3	R 535.1	R 1,000.4
1992	0.1	193.8	18.1	0.4	2.2	7.6	0.1	28.4	R 1.1	0.1	245.9	R 469.4	R 524.5	R 993.9
1993	0.1	181.1	13.6	0.1	2.3	0.8	0.0	17.0	1.2	0.1	257.5	456.8	R 543.9	R 1,000.7
1994	(s)	187.9	14.7	0.2	2.3	0.8	(s)	18.0	1.2	0.1	266.3	473.6	555.8	1,029.4
1995	0.0	218.5	12.9	0.3	2.1	0.9	(s)	16.1	1.2	0.1	274.2	510.0	R 571.6	R 1,081.7
1996	0.0	185.1	13.7	0.2	1.5	0.9	0.0	16.2	1.3	0.2	284.8	487.6	R 593.6	R 1,081.2
1997	(s)	222.8	10.0	0.2	R 2.2	R 0.8	0.0	R 13.3	R 1.2	0.2	290.6	R 528.0	R 604.4	R 1,132.5
1998	0.2	177.8	12.3	0.3	2.9	0.9	0.0	16.3	1.2	0.2	312.4	508.2	645.3	1,153.5
1999	0.1	178.1	16.3	0.3	5.8	0.9	0.0	23.3	1.4	0.2	319.0	522.2	625.0	1,147.2

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels.

^c Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^d Small amounts of solar thermal and photovoltaic energy consumed in the commercial sector cannot be separately identified and are included in residential consumption.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of

renewable energy sources beginning in 1989.

R=Revised data.

—=Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 278. Industrial Energy Consumption Estimates, Selected Years 1960-1999, Texas

Year	Coal Thousand Short Tons	Natural Gas ^a Billion Cubic Feet	Petroleum									Hydro-electric Power ^b Million kWh	Wood and Waste	Other ^{b,d}	Electricity ^b Million kWh	Net Energy	Electrical System Energy Losses ^e Million kWh	Total
			Asphalt and Road Oil ^b	Distillate Fuel ^b	Kero-sene ^b	LPG ^b	Lubri-cants ^b	Motor Gasoline	Residual Fuel ^b	Other ^{b,c}	Total							
			Thousand Barrels															
1960	1,031	2,029	6,284	10,118	2,729	59,411	1,712	3,798	4,615	R 55,967	R 144,635	0	—	—	14,602	—	36,320	—
1965	1,136	2,098	7,811	8,519	2,663	89,166	1,974	2,563	1,879	R 80,537	R 195,111	0	—	—	23,685	—	56,550	—
1970	1,150	2,557	11,885	8,947	3,863	127,521	2,581	1,410	2,297	R 100,279	R 258,783	0	—	—	40,274	—	97,598	—
1975	3,720	2,160	8,150	15,301	2,965	138,844	2,583	997	11,070	R 124,910	R 304,819	5	—	—	54,712	—	131,973	—
1980	3,250	2,163	10,906	20,250	11,906	181,940	3,431	470	16,029	R 218,266	R 463,198	0	—	—	78,190	—	190,131	—
1985	5,192	1,732	11,808	27,327	414	247,779	3,122	4,704	5,969	R 141,141	R 442,262	0	—	—	81,235	—	190,854	—
1990	4,157	2,105	14,013	25,890	149	285,349	3,513	4,336	1,291	R 177,136	R 511,676	f 0	—	—	84,087	—	R 183,949	—
1991	4,198	2,070	9,371	23,134	47	315,838	3,142	4,618	1,101	R 176,427	R 533,677	0	—	—	84,122	—	R 182,876	—
1992	4,225	2,028	11,800	23,048	82	328,866	3,204	4,338	822	R 190,910	R 563,071	0	—	—	85,421	—	R 182,184	—
1993	4,667	2,179	12,734	22,326	97	317,635	3,262	3,438	2,444	R 187,216	R 549,153	0	—	—	86,933	—	R 183,615	—
1994	5,350	2,128	10,947	18,918	99	353,718	3,410	3,750	2,424	R 196,577	R 589,843	0	—	—	90,329	—	R 188,510	—
1995	4,255	2,257	11,794	16,503	128	366,168	3,351	3,944	2,497	R 188,355	R 592,740	0	—	—	90,093	—	R 187,839	—
1996	4,808	2,469	11,962	20,353	161	392,068	3,252	4,040	2,127	R 216,465	R 650,428	R 6	—	—	95,308	—	R 198,624	—
1997	4,759	2,361	10,509	15,620	282	444,688	3,436	4,236	1,886	R 229,580	R 710,237	R 598	—	—	100,429	—	R 208,902	—
1998	4,755	2,354	11,201	16,368	347	441,020	3,597	4,961	910	220,387	698,792	6	—	—	102,702	—	212,162	—
1999	4,723	2,234	8,438	20,967	134	434,130	3,634	2,501	762	221,517	692,084	3	—	—	99,741	—	195,424	—

Trillion Btu																		
1960	24.4	2,100.3	41.7	58.9	15.5	238.3	10.4	19.9	29.0	R 334.3	R 748.0	0.0	23.9	0.0	49.8	R 2,946.5	123.9	R 3,070.4
1965	29.0	2,175.3	51.8	49.6	15.1	357.6	12.0	13.5	11.8	R 473.8	R 985.2	0.0	30.7	0.0	80.8	R 3,301.1	192.9	R 3,494.0
1970	30.7	2,626.3	78.9	52.1	21.9	481.9	15.7	7.4	14.4	R 584.2	R 1,256.5	0.0	44.6	0.0	137.4	R 4,095.5	333.0	R 4,428.5
1975	77.7	2,224.0	54.1	89.1	16.8	515.8	15.7	5.2	69.6	R 726.8	R 1,493.1	0.1	47.2	0.0	186.7	R 4,028.6	450.3	R 4,478.9
1980	63.3	2,229.7	72.4	118.0	67.5	668.4	20.8	2.5	100.8	R 1,241.1	R 2,291.4	0.0	R 41.6	0.0	266.8	R 4,892.8	648.7	R 5,541.5
1985	85.4	1,799.3	78.4	159.2	2.3	892.7	18.9	24.7	37.5	R 808.2	R 2,021.9	0.0	R 48.7	0.0	277.2	R 4,232.6	651.2	R 4,883.8
1990	61.5	2,193.7	93.0	150.8	0.8	1,034.4	21.3	22.8	8.1	R 1,007.3	R 2,338.6	f 0.0	R 66.7	f 0.0	286.9	R f 4,947.3	R 627.6	R f 5,575.0
1991	63.2	2,152.2	62.2	134.8	0.3	1,141.4	19.1	24.3	6.9	R 1,001.7	R 2,390.6	0.0	R 68.4	0.0	287.0	R 4,961.4	R 624.0	R 5,585.4
1992	60.5	2,128.3	78.3	134.3	0.5	1,191.8	19.4	22.8	5.2	R 1,077.3	R 2,529.6	0.0	R 75.9	0.0	291.5	R 5,085.7	R 621.6	R 5,707.3
1993	70.9	2,241.5	84.5	130.1	0.6	1,145.4	19.8	18.1	15.4	R 1,058.3	R 2,472.0	0.0	R 76.8	0.0	296.6	R 5,157.8	R 626.5	R 5,784.3
1994	82.8	2,218.4	72.6	110.2	0.6	1,285.8	20.7	R 19.6	15.2	R 1,110.1	R 2,634.8	0.0	R 77.5	0.0	308.2	R 5,321.8	R 643.2	R 5,965.0
1995	63.7	2,352.8	78.3	96.1	0.7	1,326.6	20.3	R 20.6	15.7	R 1,063.2	R 2,621.5	0.0	R 72.5	0.0	307.4	R 5,418.0	R 640.9	R 6,058.9
1996	73.8	2,558.9	79.4	118.6	0.9	1,416.5	19.7	R 21.1	13.4	R 1,215.7	R 2,885.2	0.1	R 91.3	R 0.5	325.2	R 5,935.0	R 677.7	R 6,612.7
1997	74.0	2,431.0	69.7	91.0	1.6	1,608.0	20.8	R 22.1	11.9	R 1,292.3	R 3,117.4	R 6.2	R 96.4	R 0.9	342.7	R 6,068.5	R 712.8	R 6,781.3
1998	67.7	2,467.8	74.3	95.3	2.0	1,593.8	21.8	25.9	5.7	1,240.5	3,059.4	0.1	71.6	0.8	350.4	6,017.8	723.9	6,741.7
1999	67.2	2,316.3	56.0	122.1	0.8	1,569.8	22.0	13.0	4.8	1,242.9	3,031.5	(s)	56.1	3.3	340.3	5,814.7	666.8	6,481.5

^a Includes supplemental gaseous fuels.

^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^c "Other" is the subtotal of 16 petroleum products. See a full description in Appendix A, Section 4, "Other Petroleum Products."

^d "Other" is geothermal, wind, photovoltaic, and solar thermal energy. See Appendix A, Section 5, for explanation of estimation methodology.

^e Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^f There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

R=Revised data.

kWh=kilowatthours. — =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 279. Transportation Energy Consumption Estimates, Selected Years 1960-1999, Texas

Year	Coal ^a	Natural Gas ^b	Petroleum								Ethanol ^c	Electricity ^a	Net Energy	Electrical System Energy Losses ^d	Total ^c
			Aviation Gasoline ^a	Distillate Fuel ^a	Jet Fuel ^a	LPG ^a	Lubricants ^a	Motor Gasoline	Residual Fuel ^a	Total					
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels								Thousand Barrels	Million Kilowatthours	Million Kilowatthours	Total ^c	
1960	18	52	3,261	13,571	10,842	2,024	1,780	87,381	17,736	136,595	0	8	—	20	—
1965	4	68	3,457	15,810	15,365	4,588	1,814	104,577	12,346	157,957	0	4	—	10	—
1970	2	96	2,007	22,454	24,430	5,587	1,623	139,292	11,667	207,059	0	0	—	0	—
1975	1	82	1,312	37,391	27,308	4,969	1,738	173,854	25,049	271,622	0	0	—	0	—
1980	0	105	1,264	48,286	30,934	649	1,909	177,228	45,812	306,082	0	0	—	0	—
1985	0	92	1,317	56,398	74,500	609	1,738	198,761	21,610	354,933	R ^e 807	0	—	0	—
1990	0	106	838	52,471	95,903	479	1,955	198,773	26,227	376,646	R ^e 584	0	—	0	—
1991	0	82	655	58,273	90,674	345	1,749	192,539	27,179	371,414	R ^e 582	0	—	0	—
1992	0	81	783	63,829	90,029	310	1,783	194,901	29,922	381,557	R ^e 658	0	—	0	—
1993	0	82	693	66,848	86,961	348	1,816	203,844	20,088	380,598	R ^e 150	(s)	—	(s)	—
1994	0	96	773	67,876	83,397	614	1,898	214,861	19,178	388,597	R ^e 371	0	—	0	—
1995	0	82	645	63,563	83,002	322	1,865	209,319	20,335	379,053	R ^e 1,215	0	—	0	—
1996	0	76	625	69,386	99,870	R ^e 274	1,810	222,177	18,169	R ^e 412,311	R ^e 452	8	—	16	—
1997	0	82	R ^e 658	69,076	105,610	R ^e 246	1,912	220,599	20,640	R ^e 418,741	R ^e 1,069	19	—	39	—
1998	0	66	555	74,226	108,536	735	2,002	231,655	26,200	443,907	1,583	21	—	43	—
1999	0	70	796	82,263	104,896	365	2,023	240,326	20,976	451,645	1,364	19	—	38	—

Trillion Btu															
1960	0.3	54.1	16.5	79.1	58.6	8.1	10.8	459.0	111.5	743.5	0.0	(s)	798.0	0.1	798.0
1965	0.1	70.0	17.5	92.1	84.3	18.4	11.0	549.3	77.6	850.3	0.0	(s)	920.4	(s)	920.4
1970	(s)	98.8	10.1	130.8	135.9	21.1	9.8	731.7	73.3	1,112.9	0.0	0.0	1,211.7	0.0	1,211.7
1975	(s)	84.6	6.6	217.8	152.7	18.5	10.5	913.3	157.5	1,476.8	0.0	0.0	1,561.4	0.0	1,561.4
1980	0.0	108.1	6.4	281.3	173.3	2.4	11.6	931.0	288.0	1,693.9	0.0	0.0	1,801.9	0.0	1,801.9
1985	0.0	95.6	6.6	328.5	420.5	2.2	10.5	1,044.1	135.9	1,948.4	R ^e 2.9	0.0	^e 2,044.0	0.0	^e 2,044.0
1990	0.0	110.5	4.2	305.6	542.1	1.7	11.9	1,044.2	164.9	2,074.6	R ^e 2.1	0.0	2,185.2	0.0	2,185.2
1991	0.0	85.2	3.3	339.4	512.8	1.2	10.6	1,011.4	170.9	2,049.7	R ^e 2.1	0.0	2,134.9	0.0	2,134.9
1992	0.0	84.9	4.0	371.8	509.1	1.1	10.8	1,023.8	188.1	2,108.7	R ^e 2.3	0.0	2,193.6	0.0	2,193.6
1993	0.0	84.6	3.5	389.4	492.0	1.3	11.0	1,070.8	126.3	2,094.3	0.5	(s)	2,178.9	(s)	2,178.9
1994	0.0	99.8	3.9	395.4	472.5	2.2	11.5	R ^e 1,123.7	120.6	R ^e 2,129.8	R ^e 1.3	0.0	R ^e 2,229.6	0.0	R ^e 2,229.6
1995	0.0	85.4	3.3	370.3	470.5	1.2	11.3	R ^e 1,091.6	127.8	R ^e 2,075.9	R ^e 4.3	0.0	R ^e 2,161.3	0.0	R ^e 2,161.3
1996	0.0	78.4	3.2	404.2	566.2	1.0	11.0	R ^e 1,158.9	114.2	R ^e 2,258.6	R ^e 1.6	(s)	R ^e 2,337.0	0.1	R ^e 2,337.1
1997	0.0	84.6	3.3	402.4	598.8	R ^e 0.9	11.6	R ^e 1,150.0	129.8	R ^e 2,296.7	R ^e 3.8	0.1	R ^e 2,381.4	0.1	R ^e 2,381.5
1998	0.0	69.0	2.8	432.4	615.4	2.7	12.1	1,207.4	164.7	2,437.5	5.6	0.1	2,506.5	0.1	2,506.7
1999	0.0	73.0	4.0	479.2	594.8	1.3	12.3	1,252.3	131.9	2,475.8	4.8	0.1	2,548.8	0.1	2,549.0

^a The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^b Includes supplemental gaseous fuels. Transportation use of natural gas is gas consumed in the operation of pipelines, primarily in compressors, and, since 1990, is also gas consumed as vehicle fuel.

^c Ethanol blended into motor gasoline, which is accounted for under motor gasoline, is shown separately here to display the use of renewable energy by the transportation sector and is included only once in the total.

^d Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses.

^e There is a discontinuity in this time series between 1980 and 1981 due to the expanded coverage of renewable energy sources beginning in 1981.

R=Revised data.

— =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.

Table 280. Estimates of Energy Input at Electric Utilities, Selected Years, 1960-1999, Texas

Year	Coal	Natural Gas ^a	Petroleum				Nuclear Electric Power	Hydroelectric Power ^e	Wood and Waste	Geothermal Energy	Other ^{b,f}	Total ^g
			Heavy Oil ^{b,c}	Light Oil ^{b,d}	Petroleum Coke ^b	Total						
	Thousand Short Tons	Billion Cubic Feet	Thousand Barrels				Million Kilowatthours					
1960	0	407	43	18	0	61	0	927	0	0	0	—
1965	0	640	33	14	0	47	0	661	87	0	0	—
1970	0	1,062	104	45	0	149	0	883	97	0	0	—
1975	9,044	1,353	1,740	75	0	1,815	0	1,579	89	0	0	—
1980	45,351	1,430	660	1,126	0	1,786	0	398	79	0	0	—
1985	71,818	1,198	881	775	0	1,657	0	1,397	300	0	0	—
1990	87,248	1,007	254	701	0	954	15,859	1,794	279	0	(s)	—
1991	87,856	1,005	104	348	0	452	19,800	2,225	276	0	(s)	—
1992	87,333	968	177	296	0	473	24,496	^R 3,325	281	0	(s)	—
1993	92,135	1,073	328	239	319	885	12,407	1,786	295	0	(s)	—
1994	88,479	1,049	343	220	2	565	28,745	1,530	303	0	(s)	—
1995	88,358	1,047	62	331	0	393	36,151	1,703	0	0	(s)	—
1996	94,190	1,039	335	672	0	1,006	35,767	954	0	0	(s)	—
1997	96,537	1,057	24	325	0	349	37,358	^R 2,112	0	0	(s)	—
1998	94,661	1,243	11	259	0	271	38,685	1,905	0	0	(s)	—
1999	97,746	1,207	10	278	0	288	36,760	1,245	0	0	(s)	—

Trillion Btu												
1960	0.0	421.6	0.3	0.1	0.0	0.4	0.0	10.0	0.0	0.0	0.0	431.9
1965	0.0	663.2	0.2	0.1	0.0	0.3	0.0	6.9	0.9	0.0	0.0	671.3
1970	0.0	1,090.3	0.7	0.3	0.0	0.9	0.0	9.3	1.0	0.0	0.0	1,101.5
1975	118.5	1,379.0	10.9	0.4	0.0	11.4	0.0	16.4	0.9	0.0	0.0	1,526.3
1980	670.8	1,482.9	4.2	6.6	0.0	10.7	0.0	4.1	0.8	0.0	0.0	2,169.4
1985	1,063.4	1,240.7	5.5	4.5	0.0	10.1	0.0	14.6	3.1	0.0	0.0	2,331.9
1990	1,272.2	1,042.6	1.6	4.1	0.0	5.7	169.4	18.7	2.9	0.0	(s)	2,510.8
1991	1,269.6	1,035.2	0.7	2.0	0.0	2.7	212.7	23.2	2.9	0.0	(s)	2,541.6
1992	1,263.5	993.3	1.1	1.7	0.0	2.8	261.6	^R 34.4	2.9	0.0	(s)	2,541.5
1993	1,342.2	1,100.4	2.1	1.4	1.9	5.4	132.5	18.4	3.0	0.0	(s)	2,593.7
1994	1,299.9	1,073.3	2.2	1.3	(s)	3.5	306.9	15.8	3.1	0.0	(s)	2,692.6
1995	1,298.1	1,071.4	0.4	1.9	0.0	2.3	385.3	17.6	0.0	0.0	(s)	2,765.1
1996	1,401.6	1,063.1	2.1	3.9	0.0	6.0	379.9	9.9	0.0	0.0	(s)	2,849.9
1997	1,433.1	1,080.9	0.2	1.9	0.0	2.0	396.9	^R 21.9	0.0	0.0	(s)	^R 2,925.3
1998	1,421.6	1,272.4	0.1	1.5	0.0	1.6	411.0	19.7	0.0	0.0	(s)	3,118.2
1999	1,467.3	1,232.6	0.1	1.6	0.0	1.7	390.5	12.9	0.0	0.0	(s)	3,093.9

^a Includes supplemental gaseous fuels.

^b The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the "Additional Notes" under each type of energy in Appendix A.

^c Prior to 1980, based on oil used in steam plants. Since 1980, heavy oil includes fuel oil nos. 4, 5, and 6 and residual fuel oils.

^d Prior to 1980, based on oil used in internal combustion and gas turbine engine plants. Since 1980, light oil includes fuel oil nos. 1 and 2, kerosene, and jet fuel.

^e If applicable, through 1988, includes all net imports of electricity, and, from 1989, includes only the portion of imports of electricity that is derived from hydroelectric power.

^f "Other" is electricity generated for distribution from wind, photovoltaic, and solar thermal energy.

^g If applicable, from 1989, includes net imports of electricity generated from nonrenewable energy sources not shown in other columns. See data in appendix Table A8.

R=Revised data.

— =Not applicable.

(s)=Btu value less than 0.05 and physical unit value less than 0.5.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Data sources, estimation procedures, and assumptions are described in the appendices to this report.